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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/663,554	09/18/2000	Nathan F. Raciborski	D2482	6630

7590 10/24/2003  
Townsend Townsend & Crew LLP  
Two Embarcadero Center  
8th Floor  
San Francisco, CA 94111-3834

EXAMINER

CHANG, JUNGWON

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 10/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/663,554

Applicant(s)

RACIBORSKI ET AL.

Examiner

Jungwon Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 July 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3-8,10-15 and 17-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-8,10-15 and 17-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 10.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**FINAL ACTION**

1. Claims 2, 9 and 16 have been cancelled, and claims 1, 3-8, 10-15, and 17-20 are presented for examination.

2. The text of those sections of Title 35, U.S. Code not included in this office action can be found in a prior action.

3. Claims 1, 3-8, 10-15 and 17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prasad et al. (US 6,539,381 B1) hereinafter Prasad.

4. As to claim 1, Prasad discloses the invention substantially as claimed, including a method for gathering information for a directory on a packet switched network (col. 8, lines 6-13), the method comprising:

determining a directory that is related to a first web site (col. 2, lines 26-37), wherein the directory identifies a first plurality of content objects tagged in accordance with a predetermined set of content object classes (figs. 2, 3; col. 8, lines 30 – col. 9, line 25);

reporting the directory to a second web site (col. 3, lines 32-35; col. 4, lines 30-33; col. 6, lines 40-46), wherein the second web site identifies a second plurality of content objects organized in accordance with the predetermined set of content object classes to create a global directory (col. 8, lines 6-13; col. 9, lines 10-40);

detecting changes on the first web site (col. 3, lines 30-31; col. 4, lines 27-29);  
and  
updating the directory with the changes (col. 3, line 36-40; col. 4, lines 33-37).

5. Prasad does not specifically disclose reporting directory to the second web site for the first and second time. However, Prasad requires update to be done periodically (col. 3, lines 27-40). It would have been obvious to one of ordinary skill in the art at the time the invention was made to recognize that the directory of the server would have been updated several times.

Prasad does not specifically disclose the second plurality of content objects includes the first plurality of content objects and a third plurality of content objects identified in directories associated with other web sites. However, Prasad discloses global directory containing information about objects in network (106, fig. 1), and the directory is globally distributed to multiple servers to provide access to network resources (col. 8, lines 6-13). All local directories (i.e., first or third plurality of content objects) covering the network are controlled by the global directory is well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to include second content objects including the first and third content objects because doing so allow the user to retrieve the desired information stored at the same or at different servers.

6. As to claims 3 and 4, Prasad discloses categorizing the first plurality of content objects available from the first web site into the predetermined set of content object classes (col. 8, lines 43-63).

7. As to claim 5, Prasad discloses the directory includes at least two of a file name, a path, a site name, a file creation date, and a file creation time (fig. 5C; col. 13, lines 28-39).

8. As to claim 6, Prasad discloses the second web site includes a plurality of directories from other web sites (col. 6, lines 40-46; col. 3, lines 25-40); and the second web site combines the plurality of directories in a global directory (col. 8, lines 6-20).

9. As to claim 7, Prasad discloses detecting changes comprises detecting at least one of erasure of files, replacement of files and addition of files (col. 5, lines 19-21).

10. As to claims 8 and 15, they are rejected for the same reasons set forth in claim 1 above. In addition, Prasad discloses setting a timer (506, fig. 5A; 523-526, fig. 5C; 530, 5D; col. 10, line 62 – col. 11, line 14; col. 13, lines 34-39 and 58-66).

11. As to claims 10, 11, 17 and 18, Prasad discloses categorizing an item in the directory (col. 7, lines 23-28 and 39-42; col. 9, lines 28-47).

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12. As to claims 12 and 19, Prasad discloses the directory includes at least two of a file name, a path, a site name, a file creation date, and a file creation time (fig. 5C; col. 13, lines 28-39).

13. As to claim 13, Prasad discloses the second web site includes a plurality of directories from other web sites (col. 6, lines 40-46; col. 3, lines 25-40); and the second web site combines the plurality of directories in a global directory (col. 8, lines 6-20).

14. As to claims 14 and 20, Prasad discloses detecting changes comprises detecting at least one of erasure of files, replacement of files and addition of files (col. 5, lines 19-21).

15. Applicant's arguments filed 7/31/03 have been fully considered but they are not persuasive.

16. In the remarks, applicants argued in substance that

(1) As just one exemplary embodiment on which claim 1 reads, a client computer can attach to an active directory in search of a desired content object. A catalog of content objects available from various content sources is displayed to the client computer. The displayed content objects can be organized in a hierarchy of subject categories and/or genre categories. For example, the first page might show a number of

topics of general interest from which the user selects sports. In the next page, which is one level down in the hierarchy, a number of sports are displayed. From this page, the user may select football, and the San Diego Chargers may be displayed on this selected page. Upon selecting the San Diego Chargers a user may be presented with a number of content objects relevant to the San Diego Chargers which the user can then select. Upon selection, the user can be redirected to another server from which the selected content object can be accessed.

(2) This replication is illustrated in Fig. 2 of Prasad where the replicated global directory identifies network resources as individual nodes organized in relation to location of the resource (col. 8, lines 30-63). Thus, for example, where a printer resources is to be configured, a network manager would select the root (203), then the country (204) in which the printer would be located, then the organization (205) to which the user belongs, and ultimately a printer (216) belonging to that organization (col. 8, lines 30-63). Thus, where a network manager is aware of the printer and which organization the printer belongs, such as organization allows a network manager to easily manage the network (col. 8, lines 27-29). However, this organization stands in stark contrast to that provided in claim 1, and indeed is not even useful to a consumer trying to identify and/or access a content object where only the genre of the content object is known. Thus, Prasad does not disclose, teach or suggest the organization of content objects as provided in claim 1.

17. Examiner respectfully traverses applicants' remark.

As to point (1), applicants' argument is not persuasive. The argument cannot be read in the claims, such as selection of desired content object from a client, displaying the content objects, level of web pages, redirect URL, and so forth. Furthermore, the applicants' argument can be read in the Aldred reference (US 6,209,036 B1) that client can select desired object (i.e., hyperlinks) resides on a same server, and associated with other web sites (i.e., deep hyperlinks on World Wide Web col. 2, lines 24-26; col. 3, lines 21-23; col. 6, lines 24-28).

As to point (2), applicants failed to consider the teaching of Prasad that objects of the directory tree in Fig. 2 includes applications (col. 8, lines 25-26); and clients are typically coupled via one or more networks to a server and resources such as applications, files, databases are shared by nodes in the system. Resources are distributed among different devices in the network or stored in a central database (col. 7, line 59 – col. 8, line 5). Examiner takes Official Notice that content objects include files and applications was well known in the art at the time the invention was made.

18. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not



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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

19. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jungwon Chang whose telephone number is (703)305-9669. The examiner can normally be reached on 8:30-6:00 (Monday-Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703)308-9052. The fax phone numbers for the organization where this application or proceeding is assigned are (703)746-7239 for regular communications and (703)746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-9669.

Jungwon Chang  
October 10, 2003

A handwritten signature in black ink, appearing to read "N. E. Hadley", with a long, sweeping vertical line extending downwards from the end of the signature.